

In The Claims:

Please amend the claims as follows:

1-15 (Cancelled)

16. (Currently Amended) A scanning system comprising:

a mount comprising a platform, wherein said mount further defines a holding area for supporting patient tissue;

a mount motor controller moving at least one of said mount or said platform vertically in response to adjustment signals,

a detector coupled to at least one of said mount or said platform and comprising a plurality of modules receiving a plurality of X-ray fluxes and generating detector signals therefrom;

at least three X-ray sources coupled to a support ~~said platform~~ and arranged in an arc such that said at least three X-ray sources sequentially generate ~~generating~~ said plurality of X-ray signals for at least three different angles along said arc with respect to said detector; and

a computer generating said adjustment signals as a function of parameters of said patient tissue, said computer further generating an image signal as a function of said detector signals.

17. (Currently Amended) The system of claim 16, wherein said mount is arranged for a scanning procedure comprising at least one of mammography, computed tomography (CT), vascular X-ray imaging, or bone scanning, ~~weld inspection, or metal inspection.~~

18. (Original) The system of claim 16, further comprising at least one of a liquid cooling system, a common conditioner for said sources and said detector, or multiple chillers for said sources and said detector.

19. (Original) The system of claim 16, wherein said plurality of X-ray sources electronically gate said plurality of X-ray fluxes.

20. (Cancelled)